

## Study of Methicillin-Resistant Staphylococcus Aureus in Traditional and Device-Made Ice Cream in Qazvin, 2017-2018: A Short Report

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**Background and Objectives:** The aim of this study was to determine the prevalence of Methicillin-Resistant Staphylococcus aureus in traditional and device-made ice cream in Qazvin.

**Materials and Methods:** In this cross-sectional study, 100 samples of traditional and device-made ice cream in Qazvin were randomly collected over a period of one year and in different seasons. The culture method was then confirmed by PCR (Polymerase Chain Reaction) technique.

**Results:** The inflammation rate of Staphylococcus aureus bacteria was 5% in most seasons in the traditional and device-made ice cream and the most inflammation was in summer, and 80% (4 cases) of the isolated bacteria were methicillin resistant.

**Conclusion:** The use of pasteurized ice cream and observance of health principles in producing traditional and device-made ice cream will reduce the risk of contamination and food poisoning.

**Key words:** Staphylococcus aureus, Traditional ice cream, Device-made ice cream, PCR, Antibiotic resistance, Qazvin

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**Conflict of interest:** None declared.

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